

11 the first ink pressure chamber, the first partition wall, said pressure  
12 buffer chamber, the second partition wall and the second ink pressure chamber  
13 are arranged in sequence along a thickness direction of said piezoelectric block,

14 said first fixed wall disposed adjacent to said first ink pressure chamber  
15 and said second fixed wall disposed adjacent to said second ink pressure  
16 chamber, and

17 the piezoelectric block is an integrally sintered one piece block  
18 structure.

68. (As Amended) The ink-jet recording head as set forth in claim 3,  
wherein at least one electrode is further interposed between said two electrodes.

1 81. (As Amended) An ink-jet recording head comprising at least one  
2 piezoelectric block having (a) first and second ink pressure chambers, each  
3 pressure chamber communicating with a nozzle for ejecting ink supplied from  
4 an ink supply, (b) first and second partition walls, each partition wall serving as  
5 a driving portion for one of the two ink pressure chambers, each partition wall  
6 including a piezoelectric element and at least two electrodes for driving said  
7 piezoelectric element, (c) a pressure buffer chamber, and (d) first and second  
8 fixed walls,

9 wherein at least one of said electrodes is embedded in said partition  
10 wall,

11 the first ink pressure chamber, the first partition wall, said pressure  
12 buffer chamber, the second partition wall and the second ink pressure chamber  
13 are arranged in sequence along a thickness direction of said piezoelectric block,

14 said first fixed wall disposed adjacent to said first ink pressure chamber  
15 and said second fixed wall disposed adjacent to said second ink pressure  
16 chamber, and

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surfaces of the two electrodes are oriented perpendicular to the thickness direction, the driving portion is polarized in the thickness direction and perpendicular to the surfaces of the electrodes.

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